

AMENDMENT TO THE CLAIMS

Please amend the presently claims as follows:

- OK for entry
12/16
1. (Currently Amended) A method comprising:
 - (a) measuring a dynamic parameter of a battery;
 - (b) obtaining a discharge current of the battery;
 - (c) measuring a voltage of the battery;
 - (d) obtaining a temperature of the battery; and
 - (e) predicting a remaining run time of the battery as a function of the measured battery dynamic parameter, the discharge current, the measured battery voltage, the battery temperature, a full charge battery dynamic parameter, a non-zero minimum terminal voltage value of the battery and an estimated capacity of the battery.
 2. (Original) The method of claim 1 wherein at least one of the measured battery dynamic parameter and the full charge battery dynamic parameter are adjusted such that the measured battery dynamic parameter and the full charge battery dynamic parameter are at a same temperature standard.
 3. (Original) The method of claim 1 wherein the dynamic parameter measurement step (a) comprises determining a response of the battery to an applied current pulse.
 4. (Original) The method of claim 1 wherein the measured battery dynamic parameter is battery conductance.
 5. (Original) The method of claim 1 wherein the measured battery dynamic parameter is battery resistance.